## ABSTRACT

The present invention enables users to interface with a wide range of computing and telecommunication devices seamlessly without a cable connecting the devices. As such, the present invention allows for the replacement of the many proprietary cables that connect one device to another with one universal short-range radio link. The typical BLUETOOTH®® system consist of four basic components:: a radio (RF section) that receives and transmits data and voice; a baseband or link control unit that processes the transmitted or received data; link management software that manages the transmission; and supporting application software. Electronic devices incorporating BLUETOOTH®® technology will replace RS-232, parallel, Universal Serial Bus (USB), and other types of cables with a single, standard wireless connection. BLUETOOTH®® radio technology will also provide a universal bridge to existing data networks, a peripheral interface, and a mechanism to form small private ad hoc groupings of connected devices away from fixed network infrastructures.

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